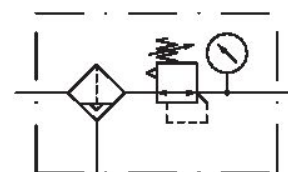


Filter pressure regulator, Series AS2-FRE

R412006196

General series information
AVENTICS Series AS2 Air Preparation Units

- The AVENTICS Series AS2 is a modular, versatile maintenance unit for universal application. This Series offers compact dimensions, is highly efficient, lightweight and easy-to-use. The AVENTICS Series AS guarantees reliability, safety, and efficiency with a simplified assembly and maintenance efforts.



Technical data

Industry	Industrial
Parts	Filter pressure regulator
Reservoir	reservoir, polycarbonate, with PA protective guard
Port	G 1/4
Nominal flow Qn	2100 l/min
Filter porosity	5 µm
Condensate drain	semi-automatic, open without pressure
Pressure gauge	with pressure gauge
Working pressure min.	1.5 bar
Working pressure max	16 bar
Min. ambient temperature	-10 °C
Max. ambient temperature	50 °C
Regulation range min.	0.5 bar
Regulation range max.	10 bar

Lock type	for padlocks
Type	1-part
Type	Can be assembled into blocks
Pressure supply	single
Mounting orientation	vertical
Regulator type	Diaphragm-type pressure regulator
Regulator function	with relieving air exhaust
Filter element	exchangeable
Filter reservoir volume	28 cm ³
Max. achievable compressed air class acc. to ISO 8573-1:2010	6 : 7 : -
Medium	Compressed air Neutral gases
Weight	0.394 kg

Material

Housing material	Polyamide
Seal material	Acrylonitrile butadiene rubber
Material front plate	Acrylonitrile butadiene styrene
Material threaded bushing	Die cast zinc
Material reservoir	Polycarbonate
Material protective guard	Polyamide
Material filter insert	Polyethylene
Part No.	R412006196

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

Note: Polycarbonate reservoirs are susceptible to solvents, supplementary information can be found at "Customer information".

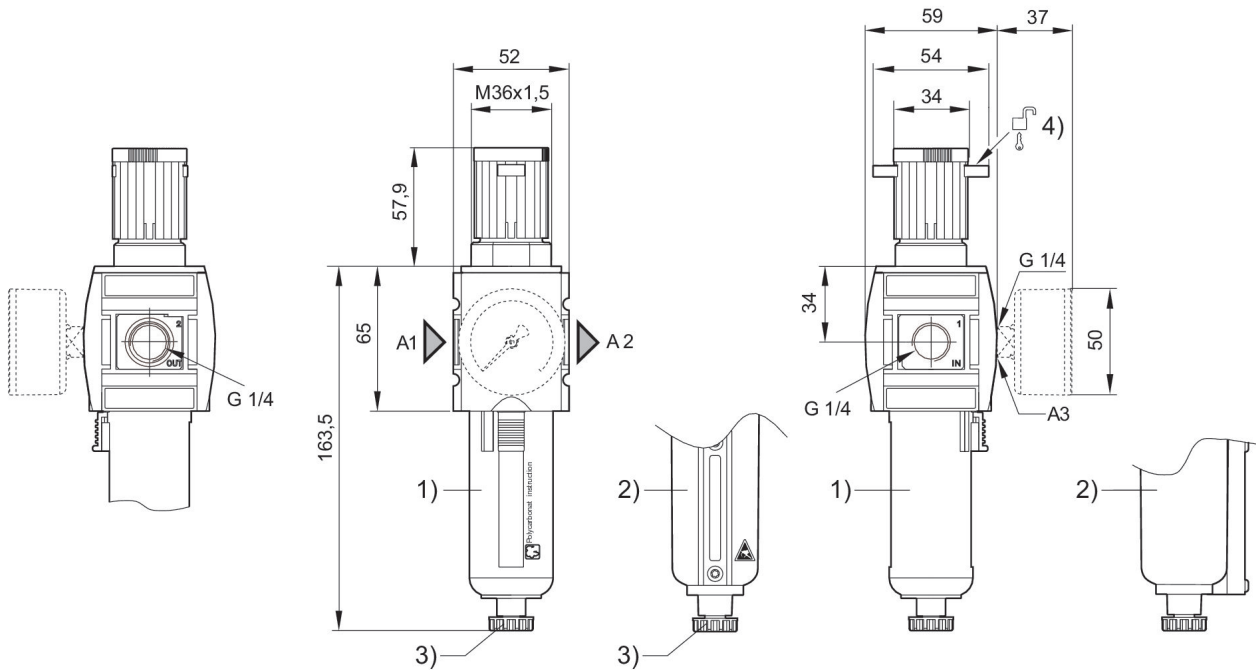
Nominal flow Q_n with secondary pressure $p_2 = 6$ bar at $\Delta p = 1$ bar

A change in the flow direction (from air supply on the left to air supply on the right) occurs by rotating installation by 180° about the vertical axis. Please see the operating instructions for further details.

Also suitable for separation of fluid oil or water due to the design.

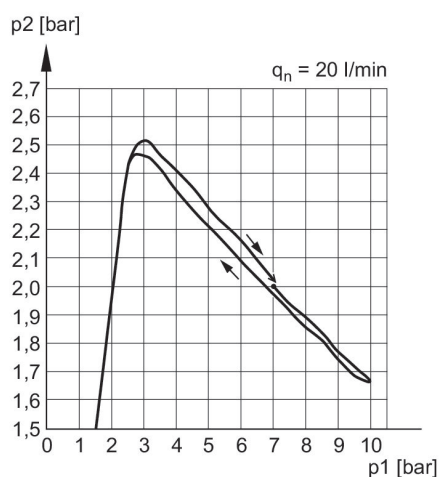
Pressure gauge enclosed separately

Dimensions in mm

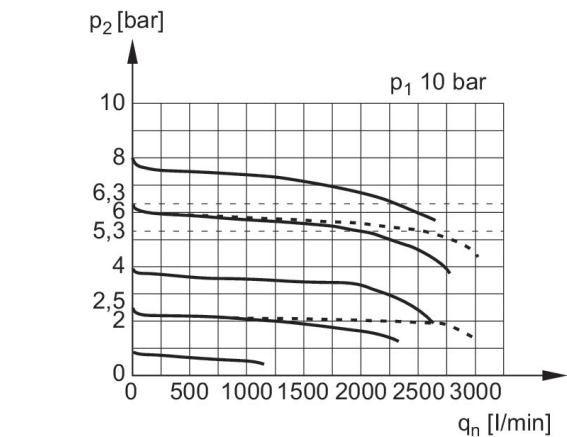


- A1 = input A2 = output A3 = pressure gauge connection
 1) Plastic reservoir and protective guard with window
 2) Metal reservoir
 3) Semi-automatic condensate drain
 4) Mounting option for padlocks, max. shackle $\text{\O} 8$

Pressure characteristics curve Version with safe rear exhaust in case of drop (removal) of pilot pressure



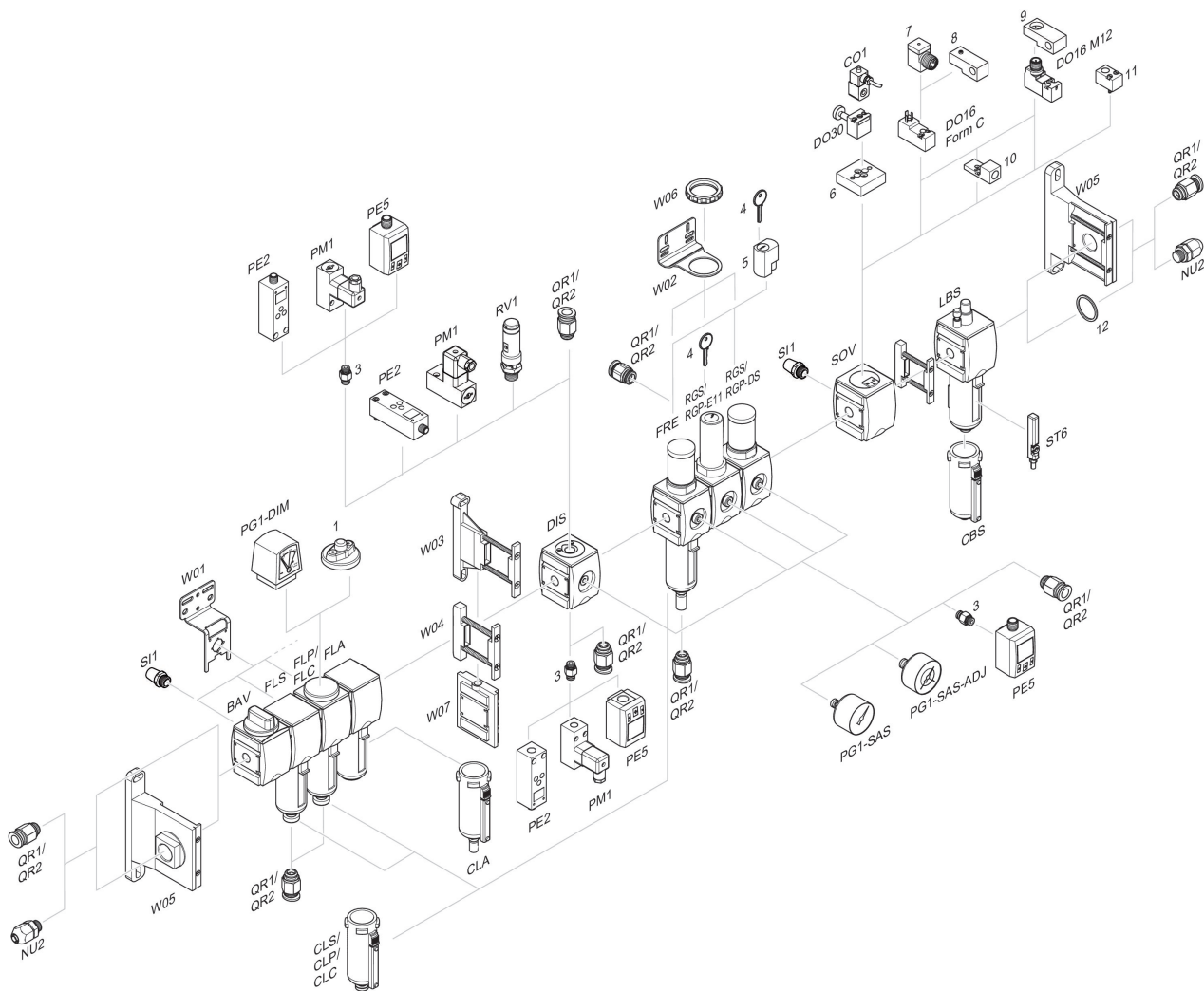
Flow rate characteristic, p2 = 0,05 - 7 bar



p1 = Working pressure p2 = Secondary pressure qn = Nominal flow

p1 = Working pressure p2 = Secondary pressure qn = Nominal flow

Accessories overview



1 = contamination display 3 = Double nipple 4 = Key for E11 locking 5 = mortise lock 6 = Transition plate DO30 7 = Adapter, Series CON-VP 8 = Mounting aid DO16, form C 9 = Mounting aid DO16, M12 10 = Adapter for external pilot air 11 = Adapter pneumatic operation 12 = Sealing ring